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Aerodynamic Design on the Open-Hearth Furnace. III. Functions of Lower Furnace, by H. A. Hasimoto. UNCL

JAPANESE, per, Tetsu-to-Hagane, Feb 1957, [illegible]-121.

British Iron and Steel Inst 1122

Sci - Engr
Aug 59

93, 802

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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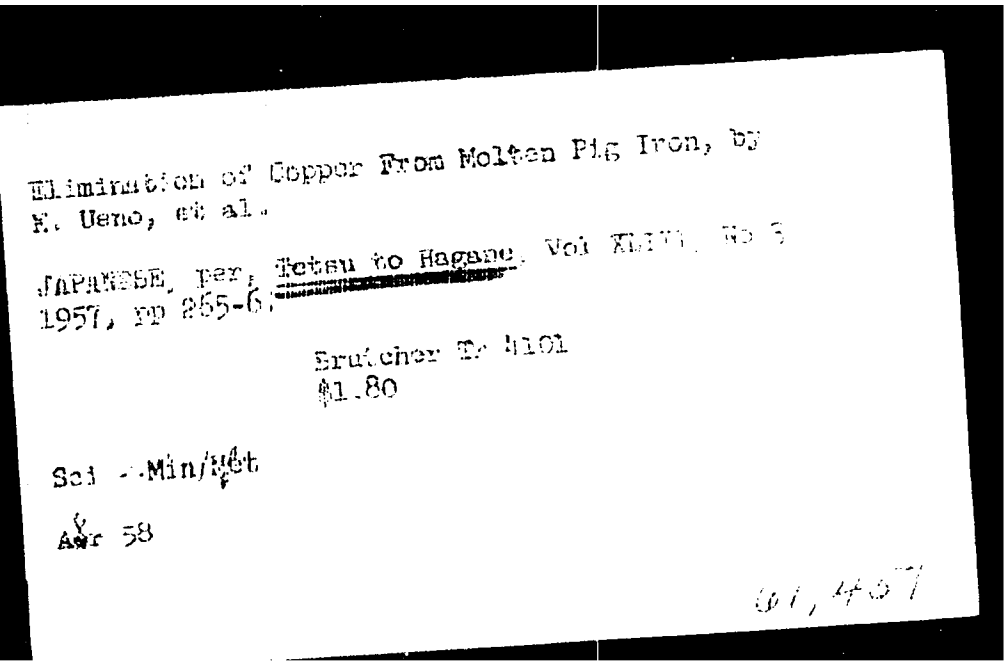

Elimination of Copper From Molten Pig Iron, by
K. Ueno, et al.

JAPANESE, Per; Tetsu to Hagane, Vol XLIII, No 3
1957, pp 265-6.

Brutcher Tr 4101
$1.80

Sci - Min/Met

Apr 58

61,407

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Toughness of Steel and Behavior of Hydrogen in Steel, (iii) Hydrogen Diffusion from Steel in Hot Rolling and in Stress Loading at Room Temperature, by S. Murayama.
JAPANESE. per, Tetsu-to-Hagane, Vol 43, 1967, pp 328-329.
*CFSTI TT 70-57184

Sci-Phys
June 70

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Trials With Ferrocoke in the Blast Furnace, by
Y. Shiraishi, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLIII, No. 1,
1957, pp 351-352.

Brutcher Tr #102
$2.50

Sci - Engr
Jul 58

66.360

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Aerodynamic Design of the Open-Hearth Furnace, IV. Function of the Furnace Chamber, by K. A. Kashimoto. UNCL

JAPANESE, per, Tetsu to Hagane, Jun 1957, pp 628-632.

British Iron and Steel Ind 1123

Sci - Engr (LT 10s.0d.)
Sep 59

96, 016

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Some Problems in the Manufacture of Seamless Stainless Steel Tubing by the Mannesmann Plug Mill Process, by S. Nakajima. USSR

JAPANESE, per, Tetsu to Hagane, No 6, 1957, pp 663-668.

BISI 1666

(16. 5s.0d.)

118,438

Sci - Engr
Jun 60

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Function of the Air Uptake. UNCL

JAPANESE, per, Tetsu-to-Hagane, Jul 1957, pp 695-699.

[illegible] M.4555
British Iron and Steel Ind 1124

Sci - Engr
May 59

85,842

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Function of the Furnace Head. UKCL

JAPANESE, per, Tetsu-to-Hagane, Jul 1957, pp 699-703.

British Iron and Steel Ind 1125

Sci - Engr
May 59

85-838

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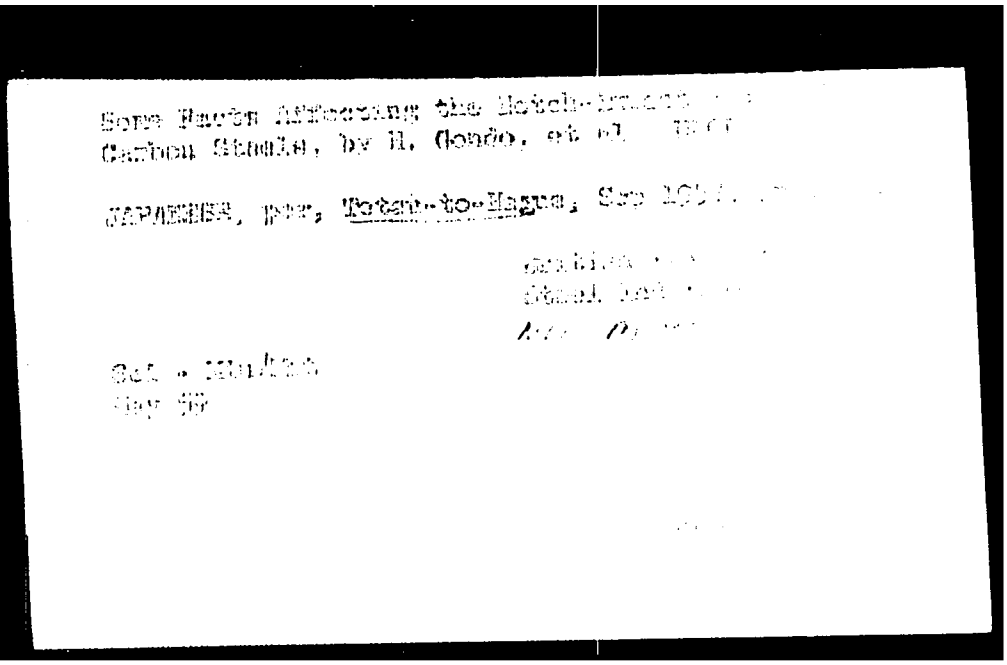

Some Factors Affecting the Notch-Impact
Carbon Steels, by H. Ondo, et al

JAPANESE, pub. Tetsu-to-Hagane, Sep 1951

Sci - Metals
May 55

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Influence of Pouring [illegible]
Formation of Macro and Micro Inclusions in
Carbon Chromium Steel, Part I, by T. [illegible]

JAPANESE, per, Tetsu to Hagane, Vol XLIII,
1957, pp 899-904

Brutcher Tr #155
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Sci - Min/Met
Jul 58

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Reactions Between Molten Slags Containing
TiO2 and Pig Iron, by R. Sato.
JAPANESE. per Tetsu-to-Hagane, Vol 43, 1957.
pp 920-93[illegible].
CRL/T. 1690

Sci -
Jul 57

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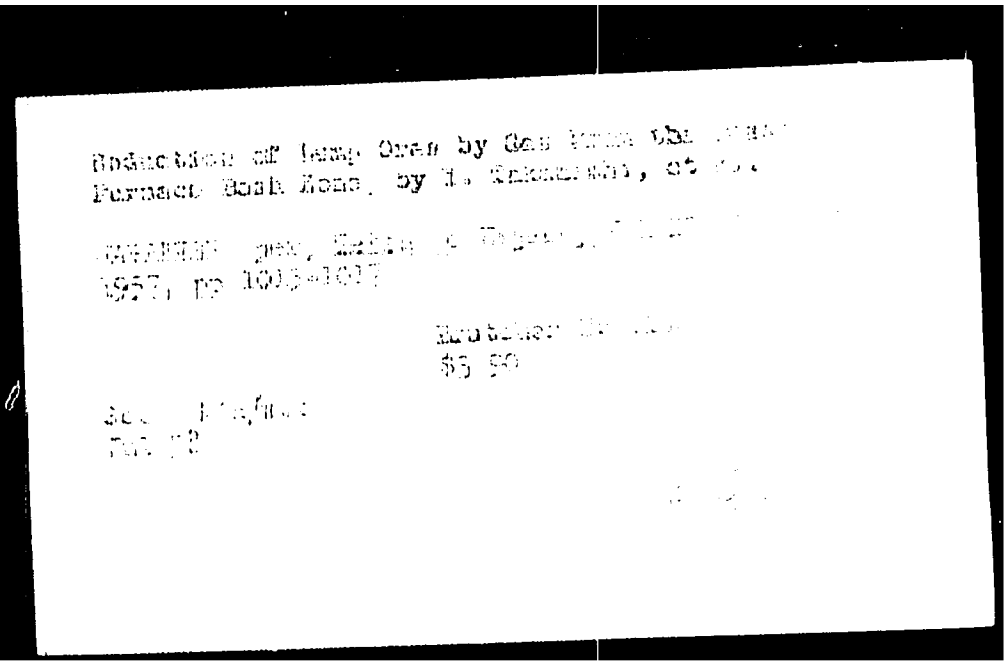

Reduction of Iron Ores by Gas from the [illegible]
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[illegible] pap., Trans. A. Inst. [illegible]
1957, pp 1093-1097

Available [illegible]
$5.50

Sec. [illegible]
Tech. [illegible]

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On the Reduction of Hematite by Solid Carbon, by
K. Shimmaeka, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLIII,
No 9, 1957 p 1017.

Brutcher Tr 4064
$1.75

Sci - Chem
Mar 58

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Effects of Structure on the Changes of Internal Friction of Some Steels Caused by an Absorbed Hydrogen, by M. Mizuta.
JAPANESE, per, Tetsu-to-Hange, Vol 43, 1957, pp 1057-1059.
*CFSTI TT 70-57189

Sci-Chem
June 72

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Ultrasonic Inspection of Steel Slabs, Part I, by Y. Sasaki, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLIII, No 9, 1957, pp 1073-1074.

Brutcher Tr 6160
Price $2.25

Bcl - Min/mat
Jul 58

66-280

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Relation between Permeability of Rolling-Direction Axles to Ultrasound and Properties of Steel. by M. Nakamura, R. Inoue.

JAPANESE, per. Tetsu to Hagane, Vol [illegible]
1957, pp 1074-1076.

Brutcher Tr 4159
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Sci - Min/Met
Jul 58

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

[redacted] Design of the Open-Hearth Furnace. Part VII, Function of the Burner Jet. UNCL

JAPANESE, per, Tetsu-to-Hagane, Oct 1957, pp 1094-1098.

W.L. M.4556
British Iron and Steel Ind 1126

Sel - Engr (LD 15a.08)
May 59

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Aerodynamic Design of the Open-Hearth Furnace, by K. A. Hashimoto. UNCL
H.A. HASHIMOTO
JAPANESE, per, Tetsu-to-Hagane, 1957, pp 1194-1199.

British Iron and Steel Ind 1127

6.1-12?66

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Effect of Additions of Titanium Metal, Ferro-Titanium, and a Copper-Titanium Alloy on the Structure of Gray Iron. Report VIII, by H. Sawamura, M. Tsuda.

JAPANESE, per, Tetsu to Hagane, No 11, 1957, pp 1234-1242.

HB 5027

Sci - Min/Met

Jan. 61

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Analysis of Segregalims in Heat Resistant Steels
16-15-5, by E. Asano. UNCL

JAPANESE to FRENCH, per, Tetsu to Hagane, Vol XLIII, No 12, 1957, pp 1318-1325.

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6 Rue de Lota
Paris 16me

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CIA/M.654

sci/ materials
aug 69

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Gas Flow in the Top-Blown Oxygen Converter, by H.A. Hashimoto.

JAPANESE, per, Tetsu to Hagane, Vol [illegible], No [illegible], 1958, pp 222, 223.

HB 4768

Sci - Chem

Jan 60

105 434

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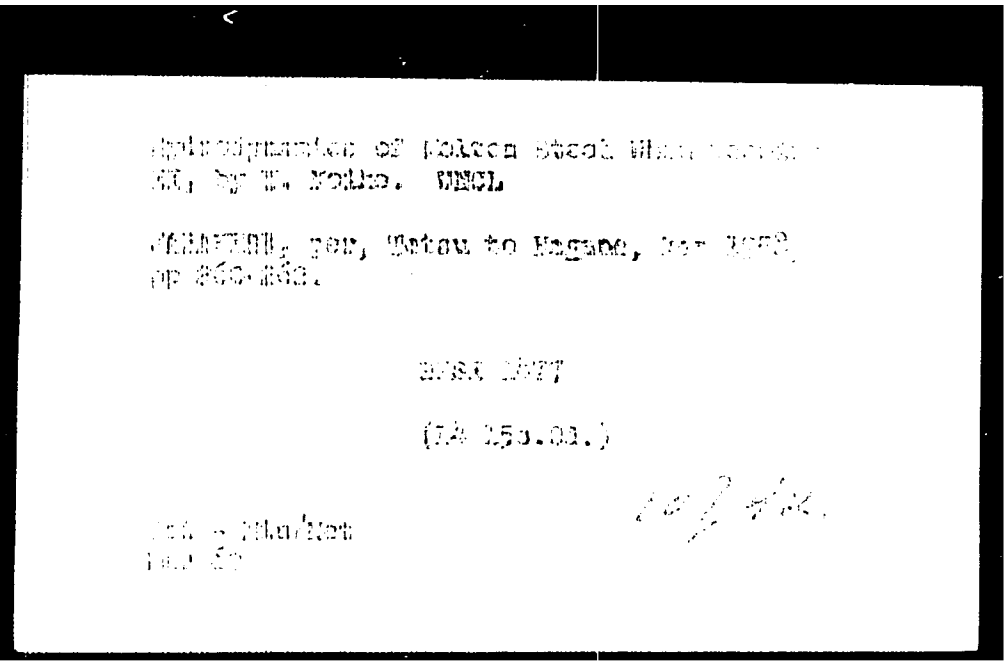

[illegible] by W. Kolko. UNCL

[illegible], pp, Yale to Hagan, [illegible] pp 262-263.

[illegible]

(IA 15a.01.)

[illegible]

[illegible]

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Thickness of a Plug Mill, by K. Sato.

JAPANESE, pre-War Tetsu to Hagane, Vol 19(3),
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BEST AVAILABLE COPY

Sci - Engr

Dem 60

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Etude de l'Acier Refractaire a 12% de Chrome. IX. Caracteristiques de Fluage a Long Terme et Durete de Revenu, by T. Akutagawa, T. Fujita. UNCL

JAPANESE to FRENCH, per, Tetsu-to-Hagane, No 3, 1968, pp 419-421.

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Die Aktivitaetsbeiwerte von Elementen in Fluessigem Eisen, (besonders im Falle von Mehr als Zwei Elementen), by E. Hir Horikawa.

JAPANESE to GERMAN, per, Tetsu to Hagane, Vol XLIV, 1958, pp 533-541.

VDeh
Verein Deutscher Eisenhuettenleute
Dusseldorf
Breite Strasse 27
Germany

Apr 60

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Study on the Hot-Ductility of Steels. I. Study on the Hot Torsion Test, by T. Morishima.

JAPANESE, per, Tetsu to Hagane, May 1958, pp 552-559.

BISI 1631

Sci - Min/Met

Sep 60

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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. Morishima.

JAPANESE, per, Tetsu to Hagane, Jun 1959,
p 660-669.

BISI 1632

Mn/Mo

Sep 60

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Investigation of Pickling Rate by Potential-Time Curves, by I. Yano.

JAPANESE to GERMAN, per, Tetsu to Hagane, Vol XLIV, 1958, pp 997, 998.

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Duesseldorf
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Dec 59

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GAS FLOW IN A SLANTED TOP-BLOWN LD FURNACE, BY
H. HASHIMOTO, Y. NAGANO.

JAPANESE, PER, TETSU TO HAGANE, VOL XLIV, NO 9,
1958, PP 1055, 1056.

HB 5621

SCI - ENGR
OCT 62

212,092

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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MODEL EXPERIMENT ON THE DESIGN AND OPERATION OF A BASI OXYGEN (LD) FURNACE, BY K. SEGAWA, ET AL.

JAPANESE, PER, TETSU TO HAGANE, VOL XLIV, NO 9, 1958, PP 1056-1058.

HB 5269

SCI - NENGR
CT 62

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Study of the Dephosphorizing Reaction in a Five-Ton Experimental Oxygen Furnace, by S. Maehara, S. Morita, Y. Hirose.

JAPANESE. per, Tetsu to Hagane, Vol XLIV, No 9 1958, pp 1058-1060.

HB 5270

Sci-Min/Met
Jan 63

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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JAPANESE, per, Tetsu to Hagane, Vol XLIV, No 9, 1958, pp 1060-1062.

HB 5372

Sci-Materials & Metallurgy
July 63

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JAPANESE, per, Tetsu to Hagane, Vol 44, No 9, 1958, pp 1062-1065.
HB 5507

FE-Japan
Sci/M&M
May 65

278,503

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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The Effect of Niobium on the High Temperature Properties of Austenitic Stainless Steel, by S. Inoue, et al. UNCL

JAPANESE, per, Tetsu to Hagane, No 9, 1958, pp 1132-1134.

BISI 1568

(14. 5s. 0d.)

Sci - Min/Met
Jun 60

117,237

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Etude de l'Acier Refractaire a 12% de Chrome. X. Influence des Conditions de Traitement Thermique sur les Characteristiques de Fluage, by T. Akutagawa, T. Fujita. UNCL

JAPANESE to FRENCH, per, Tetsu-to-Hagane, No 9, 1958, pp 1139-1141.

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Etude de l'Acier Refractaire a 12% de Chrome. XI. Caracteristiques de Fluage a Long Terme et Durete de Revenu, by T. Akutagawa, T. Fujita. UNCL

JAPANESE to FRENCH, per, Tetsu-to-Hagane, No 9, 1956, pp 1141-1143.

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Waermeubertragung in Einem Rundhauben-Gluehofen,
by K. Tanaka.

JAPANESE to GERMAN, per, Tetsu to Hagane, Vol XLIV, 1958, pp 1165-1170.

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Study of consumption of Carbon and heat in Blast Furnace, Consumption of carbon and heat in Blast Furnace, Application of results to blast furnace operation, by J. Sawamura.
JAPANESE, per, Tetsu-to-Hagane, Vol , 1959, [illegible] 7-1[illegible]
CRL/T. 2461

Sci -
Sep 67 [illegible]

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Effects of Ti and Al, ETC., On Mechanical Properties of Nimonic 80A, by Hasegawa Taro, 9 pp.
JAPANESE, per, Tetsu to Hagane, Vol XXXV, Apr 1959, pp 38-43.
JPRS 25005

Sci - M/M
Jun 64

261,056

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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JPRS 25004

Sci - M/M
Jun 64 261,057

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JAPANESE, per, Tetsu to Hagane, Vol XLV, No 1,
1959, pp 177, 178.

HB 4710

Sci - Min/Met

Jan 60

10 6, 211

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Reduction Reactions in the Blast Furnace, by K. Nakaburagaki.

JAPANESE, per, Tetsu to Hagane, Vol XLV, No 3, 1959, pp 183-185.

MB 4723

Sci - Engr

For 60

108,510

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Trial Operation of a Blast Furnace on Fluxed Sinter, by M. Inoue, et al.

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Sci - Engr

Jan 60

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JAPANESE, per, Tetsu to Hagane, Vol 45, 1959, I pp 194-196, II pp 196-197.
BISI 4652

Sci-M&M
June 66 302,306

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FLOW IN A SPHERICAL BASIC OXYGNE LD FURNACE,
BY H. HASHIMOTO, Y. NAGANO.

JAPANESE, PER, TETSU TO HAGANE, VOL XLV, NO 3,
1959, PP 248, 249.

HB 5620

SCI - ENGR
OCT 62

212,091

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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MR 4817

Sci - Min/Met

Jun 60

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

S-488/64

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JAPANESE, per, Tetsu to Hagane, Vol XLV, 1959, pp 38-43.'

*JPRS

JApan
Technical
Econ
May 64

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Effect of Heat Treatment on Mechanical Properties of M252, by Taro Hasegawa, 14 pp.
JAPANESE, per, Tetsu to Hagane, Vol XLV, 1959, pp 32-37.
JPRS 25078

Sci - M/M
Jun 64

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Japanese Study of Mechanical Properties at Elevated Temperature of Some Commercial Ni-Base Resistant Alloys, by Taro Hasegawa, 10 pp. JAPANESE, per, Tetsu to Hagane, Vol XLV, No 7, 1959, pp 34-38.
JPRS 24919

Sci - Chem
Jun 64 260,789

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Fundamental Study of the Fluid-Bed Reduction of Iron Ores, by T. Akutagawa, A. Okura.

JAPANESE, per, Tetsu To Hagane, Vol XLV, No 9, 1959, pp 857-897.

HB 5286

Sci - Min/Met
Dec 61

174.944

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Study of Operation of Blast Furnace According to Blast Penetration in Tuyere Zone, by
T. Kikuchi and T. Noji.
JAPANESE, per, Tetsu-to-Hagane, Vol 45, No 9, 1959, pp 873-875.
BISI 8482

sci/mat
Feb 71

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Silicon Removal From Basic (Open-Hearth) Hot Metal by Oxygen Blowing, by M. Maeda, et al.
JAPANESE, per, Tetsu to Hagane, Vol 45, No 9, 1959, pp 883-885.
HB 5672

FE-Japan
Sci/MEM
May 65

278,504

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Reduction of Iron Ores by Nitrogen - Carbon Monoxide - Hydrogen, by A. Isimitu, A. Sigemi, T. Higasi.

JAPANESE, per, Tetsu To Hagane, Vol XLV, No 9, 1959, pp 893-895.

HB 5285

Sci - Chem

Jan 62

178,326

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Elimination of Hydrogen From Open-Hearth Steel Baths by Cutting Off the Fuel, by M. Imai, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLV, No 9, 1959, pp 955-957.

HD 5116

Sci - Engr

199,402

Jun 62

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

The Matrix In Self-Fluxing Sinter, by
S. Watanabe and T. Matsuoka.
JAPANESE, per, Tetsu-to-Hagane, Vol 45, No 9,
1959, pp 913-915.
BISI 7879

sci/mat
jan 71

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

On the Lining of Basic Oxygen [LD] Furnaces, by S. Maehara, T. Kohtani.

JAPANESE, per. Tetsu to Hagane, Vol XV, No 9, 1959, pp 957-959.

MB 4943

Sci

Sep 61

170, 125

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Basic Oxygen [LD] Furnace Operated on High Hot Metal Charges, by S. Maehara, T. Kohtani, K. Tagiri.

JAPANESE, per, Tetsu to Hagane, Vol XLV, No 9, 1959, pp 959-961.

HB 4947

Sci - 170, 123

Sep 61

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

On the Design of Production-Scale Vacuum Degassing Equipment, by T. Takeiri, et al.

JAPANESE, per, Tetsu To Hagane, Vol XLV, No 9, 1959, pp 961-962.

HB 4925

Sci - Engr
Dec 61

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Behavior of Hydrogen in Basic Arc Furnace Steel Bath During Oxidizing Stage, by S. Nagata, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLV, No 9, 1959, pp 966-967.

MB 5117

Sci

170, 126

Sep 61

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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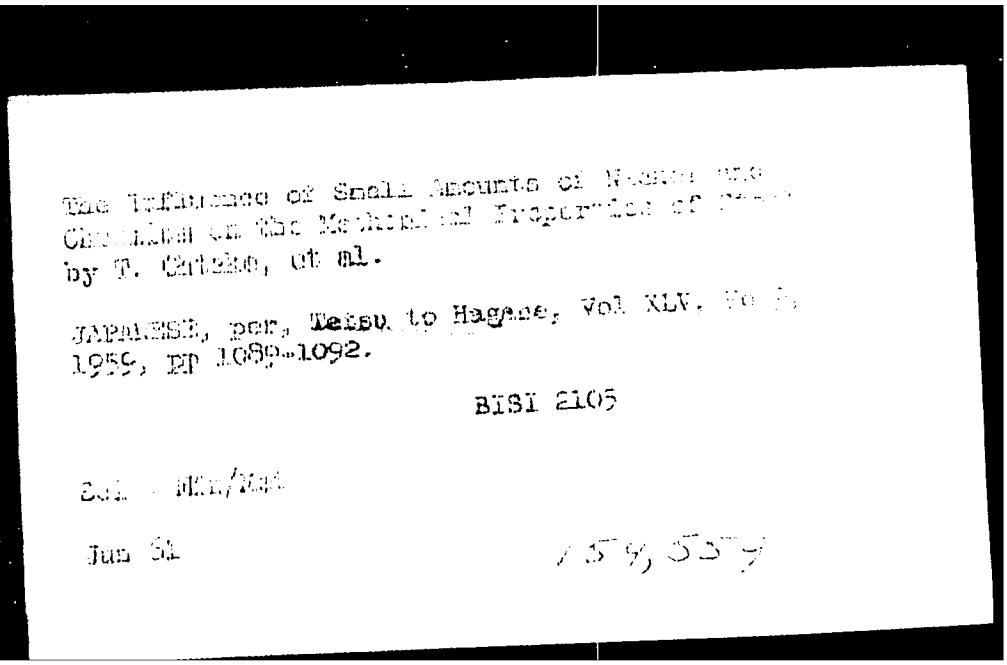

The Influence of Small Amounts of Nickel [illegible]
Chromium on the Mechanical Properties of [illegible]
by T. Carlson, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLV, No 9,
1959, pp 1089-1092.

BISI 2105

Jun 61

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Effect of Vacuum Degassing on Steel Quality, Comparison Between Vacuum Degassed and Conventionally Poured Steels II, by T. Suzuki, T. Asakura.

JAPANESE, per, Tetsu to Hagane, Vol XLV, No 10, 1959, pp 1145-1151.

HB 4774

Sci - Min/Met

Oct 60

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Primary Cooling in the Continuous Casting of Steel
by Y. Ueta, K. Sasaki, K. Ushijima
JAPANESE. per Tetsu-to-Hagane, Vol [illegible] No. 1 [illegible]
pp 1341-1345
CRL/T.8517x

Sci -
Aug 67

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Primary Cooling in the Continuous Casting of Steel, Report I. by Y. Ueda, K. Sorachi, K. [illegible] Ushijima.

JAPANESE, per, Tetsu to Hagane, Vol XLV, No 12, US 1959, pp 1341-1345.

BB 5823

Sci - Min/Met
Oct 61

171.862

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Etude par radiometrie de l'usure de revêtement [illegible]
hauts fourneaux, by S. Tominaga, T. Yatsuzuka,
S. Shono.

JAPANESE to FRENCH, per, Tetsu to Hagane, V [illegible]
No 1, 1963, pp 7-11.

CDS I.T.3-61

Sui

Nov 63

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Les defauts internes des toles fortes en acier semi-calme, by T. Ohtake, K. Aoki, H. Gondo, Y. Sasaki.

JAPANESE to FRENCH, per, Tetsu to Hagane, Vol XLVI, No 1, 1960, pp 29-34.

CDS I.T.3322

Sci

Nov 61

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Etude, sur les produits lamines, de la formation de defauts superficiels a partir de soufflures de peau artificielles usinees sur le lingot, by K. Kajiyama.

JAPANESE to FRENCH, per, Tetsu to Hagane, Vol XLVI, No 1, 1960, pp 25-29.

CDS I.T.3321

Sci

Nov 61

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Study of Self-Fluxing Sinter, by A. Ishimitsu, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLVI, No 2, 1960, pp 123-129.

HB 5058

Sal - Min/Met

Jun 61

15 6 911

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Extraction of Nonmetallic Inclusions from Rimmed-Steel Ingots, by Y. Shimokawa, et al,

JAPANESE, per, Tetsu To Hagane, Vol XLVI, No 3, 1960, pp 153-155.

HB 4936

Sci - Min/Met

13 Apr 61

145,069

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Effect of Nickel, Cobalt, Molybdenum, Chromium, and Vanadium upon Solubility of Nitrogen in Liquid Iron, by S. Maekawa et al,

JAPANESE, pur, Tetsu to Hagane, Vol XLVI, No 3, 1960, pp 240-241.

HB 4838

Sci - Min/Met

13 Apr 61

145,071

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Effect of Titanium, Aluminum and Oxygen on the Solubility of Nitrogen in Liquid Iron, by S. Nakawa, et al.

XLVI

JAPANESE, per, Tetsu to Hagane, Vol [redacted], No 3, 1960, pp 241-243.

HB 4839

Sci - Chem

Apr 61

147,474

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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JAPANESE, per, Tetsu to Hagane, Vol 46,
Mar 1960, pp 269-278.
BISI 4619

314,508

Sci - Mechanical, Industrial,
Civil, and Marine Engineering
Jan 67

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Rapid Phosphorus Elimination From the Basic Oxygen [LD] Furnace Bath, by S. Maehara, et al.

JAPANESE, per, Tetsu To Hagane, Vol XLVI, No 3, 1960, pp 283-285.

HB 5122

Sci. & Engr
Dec 61

173,004

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Study of the Structure of Large Ingots, by
S. Kawaguchi, et al.

JAPANESE, pur, Tetsu To Hagane,
VOL XLIV, No 3, 1960, pp 296-298.

HB 5274

Sci - Min/Met
Jun 62

199,389

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Effect of Stage of Aluminum Addition Upon [illegible] Quality of Close-Grained Steel, by M. Mishigaki.

JAPANESE, per, Tetsu to Hagane, Vol XLVII, No 3, 1960, pp 299-301.

HB 5272

Sci - Min/Met
Jun 62

199,395

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Research on the Drawing of Small Thin-Walled Tubes of Stainless Steel, by T. Okamoto, K. Takahashi.

JAPANESE, per, Tetsu to Hagane, Vol XLVI, No 3, 1960, pp 311-313.

BISI 2111

Sci - Engr

161,073

Jul 61

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Study of Aluminium Nitride in Steel by Electron Microscope, I - Morphology of Al Nitride in Steel, by S. Hasebe. JAPANESE, per, Tetsu to Hagane, VOL XLVI, Mar. 1960, pp 332-335.
BISI 4629

CRLT. 2433

Sci-M&M
May 66

300,939

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Effect of Titanium and Zirconium Upon Hot Shortness of Low-Manganese Stainless Steels for Nuclear Reactors, by M. Kawabata, et al.

JAPANESE, per, Tetsu To Hagane, Vol XLVI, No 3, 1960, pp 358-361.

HB 5257

Sci - Chem
Dec 61

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Study on 5% Cr-1/2% Mo, 7% Cr-1/2% Mo, and 9% Cr - 1% Mo Steels for Steel Tubes, by H. Hirano, S. Yamamoto.
JAPANESE, per. Tetsu to Hagane, Vol XLVI, No 3, 1960, pp 372-375.
*BISI 3659

Sci - M/M
Apr 64

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Effect of Molybdenum Upon Properties of 18% Cr-12% Ni Stainless Steel, by R. Nakagawa, Y. Otoguro.

JAPANESE, per, Tetsu to Hagane, Vol XLVI, No 3, 1960, pp 377-379.

HB 5216

Sci - Chem

Aug 61

163,824

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Creep Properties of 18-8 Cb Stainless Steel.
by Shoji Terai.

JAPANESE, per, Tetsu to Hagane, Vol XLVI, No 3, 1960, pp 379-381.

MB 5120

Sci - Min/Met

Jun 61

150 801

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Inspection of Steel Tubing by Eddy Current Methods, by Y. Akazawa, T. Mori.

JAPANESE, per, Tetsu To Hagane, Vol XLVI, No 3, 1960, pp 414-416.

HB 5273

Sci - Phys
Dec 61

174.995

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Effect of Tungsten on the Characteristics of 18 Percent Cr, 12 Percent Ni Stainless Steeml, by R. Nakagawa, Y. Otoguro.

JAPANESE, per, Tetsu to Hagane, Vol ~~Nick~~ XLVI, No 3, 1960, pp 575-577.

HB 5064

Sci - Chem

147,464

Apr 61

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Secondary Cooling in the Continuous Casting [of Steel], Report II, by T. Ueda, K. Ushijima.

Tetsu to Hagane, Journal of the Iron and Steel Institute of Japan, Vol. XLVI, No 7, 1960, pp 753-757.

UNCLASSIFIED
5219

Ind - Min/Met
Jul 61

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Application de la diffraction electronique a l'identification des inclusions non metalliques constituant les lignes de sable, by K. Narita, K. Mori.

JAPANESE to FRENCH, per, Tetsu to Hagane, Vol XLVI. No 7, 1960, pp 757-762.

CDS I.T.3467

Sci

Nov 61

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Emplois de l'oxygene pour la production de la fonte et des aciers. II, by K. Morinaga.

JAPANESE to FRENCH, per, Tetsu to Hagane, Vol XLVI. No 7, 1960, pp 775-787.

CDS I.T.3519

Soj

Nov 61

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Essais Industiels de Suroxygenation du vent au haut fourneau no.5 de l'usine de Higashida, Yawata Iron & Steel Works, by K. Tsujihata K. Kokama, N. Tanaka, K. Kato, S. Hashimoto.

JAPANESE to FRENCH, per, Tetsu to Hagane, Vol XLVI. No 9, Aug 1960, pp 955-961.

CDS I.T.3[illegible]

Sel

Nov 61

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Study of Factors Affecting Blast Furnace Coke Rates I - A Comment on the Reaction System in the Blast Furnace. II - Study of Reduction in Nadahama No. 1 Blast Furnaces by H. Sugisawa, et al.
JAPANESE, per, Tetsu to Hagane, Vol 46, Sept. 1960, pp 1091-1093 - I, pp 1093-1095 - II.
BISI 4653

Sci-Tech
Aug 66 306,766

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Mechanical Capped Steel for Hot-Rolled Sheet,
by Mitarashi, H H. Fujimaki.
Y.
JAPANESE, per, Tetsu to Hagane, Vol XLVI, Sep 1960,
pp 1219-1221.

BISI 2780

Sci - M/M, Engr
Aug 63

342, 112

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Corrosion of Runner Bricks in Aluminum-Killed Steel Pouring Practice, by H. Oba, K. Hiragushi.
JAPANESE, per, Tetsu to Hagane, Vol XLVI, No 9, 1960, pp 1244-1246.

BISI 3331

Sci - M/M
Feb 64

250,050

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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On the Relation Between Reduction Ratio and Properties of Killed Steel Plates, by T. Okuro, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLVI, ~~xxxx~~ Sept 1960, pp 1270-1272.

*BISI 2795

Sci - Engr
Jul 62
list no. 130

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Capped Rimmed Steel and Its Deep Drawing Properties, by M. Takemuka, S. Tsuda.

JAPANESE, per, Tetsu to Hagane, Vol XLVI, Sep 1960, pp 1280-1282.

BIBI 2781

Sci - M/M
Aug 63

3W2, 113

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Solubility of Nitrogen in Liquid Stainless Steel,
by T. Takei, et al.
JAPANESE, per, Tetsu-to-Hagane, Vol 46, Sept 1960,
pp 1299-1301.
BISI 7878

sci/mat
Feb 71

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

Reduction of Iron Ores by a Reformed Mixed Gas Natural Gas and Carbon Dioxide, by R. Sato, N. Taguchi.

JAPANESE, per. Tetsu to Hagane, Vol XLVI, No 10, 1960, pp 134-136.

HB 5944

Sci-Materials & Metallurgy
July 63

235,185

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

ON THE PROCESS OF PELLETIZING FINE IRON ORES IN THE BALLING DRUM, BYM. KAWAMURA, K. SUGAWA.

JAPANESE, PER, TETSU TO HAGANE, VOL XLIV, NO 10, 1960, PP 1103-1105.

HB 5017

SCI - MIN/MET
AUG 62

207,005

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

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Reduction of Fine Iron Oxide by Carbon Monoxide, Hydrogen and C_3H_8 Cracking Gas, by M. Kawai, H. Kimura, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLVI, No 10, 1960, pp 1130-1132.

HB 5942

Sci-Materials & Metallurgy
July 63

235,796

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6

On the Selective Reducibility of the Elements in the Production of Metallic Iron at Slag Basicities of Less than Unity, by T. Morimune, R. Hirasawa, et al.

JAPANESE, per. Tetsu to Hagane, Vol XLVI, E No 10, 1960, pp 1132-1134.

HB 5943

Sci-Materials & Metallurgy
July 63

235,798

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200870078-6